

## Nominations for 2019-2023 Executive Committee Officers of the International Union for Quaternary Science

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The period for nominations for **INQUA Executive Committee officers** has now closed, and the nominations we have received have been collated in this document. Nominee details are provided, as are descriptions of the roles that each position plays in the INQUA structure. Please consider each candidate, discuss them with your communities and be prepared for the elections that will be held at the INQUA Congress in Dublin in July, 2019.

The INQUA Executive Committee is the Union's presiding body, consisting of the President, Immediate Past President, four Vice Presidents, Secretary General, Treasurer and, *ex officio*, the Chair of the Early Career Research Committee. The Executive Committee serves for a period of four years, from the close of one Congress to the close of the next Congress.

### **Considerations regarding the election of Executive Committee Officers:**

- Vice Presidents may be elected to a second term, and the Secretary General and Treasurer to two further terms.
- Each Vice-President is charged with fulfilling defined services for INQUA. These are defined in the appended INQUA Roles document, and are classified as follows:
  - 1) Vice President – Members: charged with liaising with INQUA Members, Honours of the Union and as stand-in for the President.
  - 2) Vice President – Commissions: charged with oversight of Commissions.
  - 3) Vice President – Publications: charged with oversight of the publications Quaternary Perspectives and Quaternary International.
  - 4) Vice President – Communications: charged with Communications, including the INQUA website, social media and marketing products.
- **Candidates must be willing and able to undertake the duties (see accompanying INQUA Roles document) required of them.**
- All candidates will make a short verbal presentation to the International Council before the election is conducted.

### **Nominations for 2019-2023 INQUA Executive Committee**

Position	Name	Email
President	Ashok Singhvi	<a href="mailto:2aksprl11@gmail.com">2aksprl11@gmail.com</a>
President	Thijs van Kolfschoten	<a href="mailto:T.van.Kolfschoten@arch.leidenuniv.nl">T.van.Kolfschoten@arch.leidenuniv.nl</a>
Secretary General	Eniko Magyari	<a href="mailto:emagyari@caesar.elte.hu">emagyari@caesar.elte.hu</a>
Secretary General	Lynne Quick	<a href="mailto:lynne.j.quick@gmail.com">lynne.j.quick@gmail.com</a>
Treasurer	Freek Busschers	<a href="mailto:freek.busschers@tno.nl">freek.busschers@tno.nl</a>
Vice President - Commissions	Brian Chase	<a href="mailto:brian.chase@umontpellier.fr">brian.chase@umontpellier.fr</a>
Vice President - Communications	Laura Sadori	<a href="mailto:laura.sadori@uniroma1.it">laura.sadori@uniroma1.it</a>
Vice President - Members	Zhengtang Guo	<a href="mailto:ztguo@mail.iggcas.ac.cn">ztguo@mail.iggcas.ac.cn</a>
Vice President - Publications	none	N/A

## **NOMINEES FOR PRESIDENT (1 of 2)**

*(Nominated by India and the USA)*

### **Professor Ashok Kumar Singhvi (India)**

#### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

1. M.Sc.; Ph.D. Physics, Publications in Quaternary Sciences 200+, H index 52, i-10 index 124; cites-6700,
2. Four decades of experience in Quaternary Geochronology for Paleo- climates and -Seismology
3. Wide international work experience in India, Europe, Australia, US/Mexico, UK, Brazil, Central Asia
4. Fellowships: Humboldt Foundation; Leverhulme trust; Ford foundation; DFG ++; Brazilian Acad; ++
5. Member -Exec. Comm. of IGBP -PAGES 2000-95; Science Program Committee of UN Int. Year Planet Earth
6. Basic contributors to the methodological development of Luminescence dating and it applications
7. Led UNESCO - IGCP's - 349 & 413 on Deserts Margins and Paleo-Monsoons and on Evolution of Deserts
8. Member Edit Boards: QSR, QR, JQS, Holocene, QI, Episodes, Quaternary, Springer Encyp. of Quat. ++
9. Fellow and Vice President, Indian Natn. Sci. Acad.; Fellow -Third world Acad. Sci.; -Geol. Soc. London
10. Developed Major Programs; Int. Geological Congress in India 2020; PAGES Open Science Meeting, Goa

#### **INQUA POSITIONS HELD: (maximum of 10 lines)**

1. As a India Delegate to ICSU, Dr. Singhvi actively participated in successful entry of INQUA into ICSU.
2. Participated in INQUA congresses since the Ottawa Congress in 1987
3. Participated in: INQUA Dust Commission; TERRPRO; Duns Atlas; FLAG; Loess Comm; LoessFest++.
4. Held international field meeting of Dunes Atlas in India
5. Held INQUA executive comm. meeting in India in 2006 and 2019. In both the meeting symposia on Indian Quaternary and international trends was held.
6. Chair, Natn. Com. of INQUA/IUGS. Was instrumental in India's joining INQUA and its fee up-gradation.
7. Leader of Indian Delegation to INQUA Congresses in Cairns, Berne, Okayama, Ensured large Indian groups
8. As a Vice President, liaised with National members; developed new -fee structure and advocated strengthening of mid-term meetings.

#### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

Singhvi has four decades on experience in Quaternary -Geochronology, -Environments and -Seismology with fundamental contributions to the methodology of luminescence dating. His pioneering paper on luminescence dating of Deserts in Nature, 1982, has inspired 2000+ publications and luminescence is now basic to all studies on Deserts. He pioneered the dating of Calcretes, Gypsum, Fulgurites, Barites, Aeolianites, Beach ridges, Dust in ice and Paleosiesmology. All these find extensive use. His methodological work on single grain luminescence is a fundamental advance. His dating of Loess/Paleosols of the Carpathian basin changed INQUA leitatz for regional chrono-stratigraphy. He elucidated the presence of geomorphic thresholds and time lags in sediment system response to forcing. This implies revisit of all land-sea and land-ice correlations. His work on Early Man in India in Nature, 2018, implies revisit of out of Africa dispersal hypothesis. Singhvi has collaborated with over 150 scientists on all continents; has developed major programs on Geochronology (40 -50M\$); Paleoclimates and Tsunamis.

#### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

Singhvi has extensive experience of working with science, scientists, and scientific programs at international level. He is a proven team builder for new programs and paradigms, without disciplinary boundaries. IGCP programs led by him always had excellent ratings with considerable engagement from the developing world. His experience with IGBP -PAGES, UNESCO -IGCPs and UN -IYPE and Indian Academies provides him a rich background of scientific, interpersonal skills and science administration. His experience with several international journals for over past 2 -3 decades provides him with rich overview of emerging paradigms of Quaternary Science. We consider that Singhvi will infuse new energy into the INQUAs functioning by developing new, bottoms up initiatives. He feels convinced that only INQUA community has the science acumen to provide substantive inputs to Sustainable Development Goals. He therefore proposes to focus on INQUA occupying a central stage in these areas for Future Earth and Millenium SDGs including and capacity building the in less developed world.

## **NOMINEES FOR PRESIDENT (2 of 2)**

*(Nominated by the Netherlands and Italy)*

### **Professor Thijs van Kolfschoten (Netherlands)**

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#### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

Thijs van Kolfschoten studied Geology and Biology and obtained his PhD in Palaeontology at the Institute of Earth Sciences, University of Utrecht (The Netherlands). After a research position at the Institute of Palaeontology, University of Bonn (Germany) he moved to Leiden University (The Netherlands) where he is employed as (emeritus) Professor in Palaeozoology and Quaternary Biostratigraphy at the faculty of Archaeology. Until his retirement in August 2018, he was the director of a well-equipped laboratory for palaeozoological and archaeozoological studies at the Faculty of Archaeology, Leiden University and head of the Bioarchaeology Research Group. Since October 2018, Thijs van Kolfschoten is employed as Guest Professor at Shandong University, Institute of Cultural Heritage, Jinan, China.

#### **INQUA POSITIONS HELD: (maximum of 10 lines)**

Thijs van Kolfschoten was President of the INQUA Subcommittee (now Section) on European Stratigraphy (SEQS) from 1995 to 2003, and he was President of INQUA Netherlands from 1999 to 2008. He was the national Delegate representative at the INQUA International Council meetings in Durham (1999), Reno (2003) and Cairns (2007). In addition, he has been a member of SACCOM from 2003 to present, and Secretary of SACCOM from 2011 to 2015. In 2015 he was elected as Vice-President of INQUA. He has been regional Editor (Europe) of the joint INQUA/Elsevier journal Quaternary International from 2003 to 2015 and is currently the Editor-in-Chief of Quaternary International. For many years, he was secretary of the IUGS Subcommittee on Quaternary Stratigraphy, a body that has close connection to INQUA.

#### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

Thijs van Kolfschoten's main fields of interest are Quaternary mammals, biostratigraphy, palaeoecology and taphonomy. His palaeontological research focuses on continental deposits ranging from the Early Pleistocene until the early Holocene. A major research project is the study of the Palaeolithic mammalian vertebrate fossils from a sequence exposed at Schöningen (Germany) as well as on remains from the Chinese locality Lingjing (Henan province); both sites play an important role in the debate on the late Middle Pleistocene hominin subsistence and behaviour as well on climatic and faunal history. A second research focus, in close collaboration with Russian colleagues, was first on the Late Pleistocene and early Holocene ecosystems in Europe north of the Alps investigated and on the Late Pleistocene faunal evolution focus on eastern Siberia. He was member of the steering committee of APEX (Arctic Palaeoclimate and its Extremes) and was/is member of the scientific advisory board of the Senckenberg Research Institute and the Centre of Archaeological Sciences at Leuven.

#### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

INQUA is the representative body of Quaternary science, and the INQUA Board should facilitate active services to the Quaternary community through the organisation of meetings devoted to highly relevant topics, the support of young and developing country scientists, and the communication of our science to the global community. INQUA should provide a network for Quaternary scientists from all disciplines and create a platform that supports the development and dissemination of their work. To achieve this, developing INQUA as a vibrant global community is essential. Thijs van Kolfschoten's long experience with INQUA combined with his broad international research network makes him an excellent candidate to be INQUA's President. His deep respect and knowledge of INQUA's history and its role in the global research landscape will allow him to safeguard INQUA's position and past while promoting new initiatives to invigorate the INQUA community, modernizing its structure and organisation.

## **NOMINEE FOR SECRETARY-GENERAL (1 of 2)**

*(Nominated by Hungary and India)*

### **Enikő Magyari, PhD (Hungary)**

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#### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

2017 Habilitation, Eötvös Loránd University, Budapest, Earth Sciences  
2016 Higher doctorate (DSc) from the Hungarian Academy of Sciences (Title of thesis: Late Pleniglacial and Holocene vegetation dynamics in the Carpathian Basin and South-east Europe with special respect to rapid warming and cooling events)  
2002 PhD in Earth Sciences, University of Debrecen (Title of thesis: Climatic versus human modification of the Late Quaternary vegetation in Eastern Hungary)  
MSc degrees:  
1998 English translator in Earth Sciences, University of Debrecen, Hungary  
1997 biologist/ecologist, University of Debrecen, Hungary

#### **INQUA POSITIONS HELD: (maximum of 10 lines)**

President of the Hungarian INQUA Committee

#### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

Enikő Magyari's main research focuses on the environmental history of the Carpathian-Balkan Region during the last 30,000 years. Using pollen, plant macrofossil and multi-proxy paleoecological methods she studied how rapid climate change events and human impact have shaped the forest and steppe environment, what was the amplitude of climate change during the last glacial termination and what are the region's climate change characteristics. Her studies also address questions connected to the protection of Hungary's semi-natural landscapes, she seeks baseline conditions in the lowland forest steppe environment prior to major human transformation of the land, studies natural forest composition in the mid mountains and focus on Holocene land cover reconstruction, tree and timberline changes in the Carpathians, study the refugial role of the Carpathian Basin for temperate and boreal tree taxa during the Last Glacial Maximum. She also apply novel ancient DNA techniques to reconstruct past vegetation from soils and lake sediments.

#### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

The nominee took over the presidency of the Hungarian National Committee five years ago. Due to her energetic organizing ability, professional activities have been organized around the Hungarian National Committee that was practically inactive over many years, such as lecture sessions and co-organized conferences. In addition to revitalizing the scientific communication among the Quaternary research groups in Hungary, the nominee motivated the Hungarian Quaternarist community to make international relations more vibrant. She gained experience in the work of the INQUA Executive Committee while they held their annual board meeting in Budapest in 2017. The nominee has good communication skills and currently fulfils a similar secretarial position at the Hungarian Academy of Sciences, where she serves as secretary general in the Doctoral Committee of Earth Sciences. In scope of this position she has to write annual reports and provide minutes of the meetings similarly to the responsibilities of the INQUA secretary general.

## **NOMINEE FOR SECRETARY-GENERAL (2 of 2)**

*(Nominated by South Africa and the UK)*

### **Dr Lynne J. Quick (South Africa)**

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#### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

My undergraduate and postgraduate degrees were both undertaken at the University of Cape Town with majors in Environmental and Geographical Science and Ocean and Atmospheric Science. I obtained my PhD ('Late Quaternary palaeoenvironments of the southern Cape, South Africa: palynological evidence from three coastal wetlands') in 2013. I was awarded two consecutive postdoctoral fellowships (2014 - 2018) aligned to the international project 'RAiN' (Regional Archives for Integrated Investigations Phase One). RAIN, a German Government funded research project, involved the interdisciplinary investigations of climate evolution and environmental dynamics along the southwest African coastline during the late Quaternary. I am currently a Senior Research Fellow (with a specialisation in palynology) within the African Centre for Coastal Palaeoscience (based in the Botany Department, Nelson Mandela University, Port Elizabeth, South Africa).

#### **INQUA POSITIONS HELD: (maximum of 10 lines)**

Member of the South African National Research Foundation (NRF) ICSU/ISC INQUA Committee.  
Member of INQUA International Focus Group "Southern Hemisphere Assessment of Palaeo-Environments" (SHAPE), 2015-2019

#### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

I am a palaeoecologist specifically a palynologist working on reconstructing South African palaeoenvironments. I have recently been appointed as a Senior Research Fellow within the African Centre for Coastal Palaeoscience at Nelson Mandela University to establish a new, state-of-the-art palaeobotanical laboratory. I have laboratory expertise (primarily in the fields of pollen and charcoal analyses but also stable isotope and sediment analyses) as well as extensive fieldwork experience.

#### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

I have been an active member of SASQUA (Southern African Society for Quaternary Research) and have served on its council in various roles over the last decade, including two terms (2013 - 2017) as the Secretary, one term as the Vice-President (2017 - 2018) and now as President (2019-2021). I have organised several SASQUA congresses, manage their social media pages and designed (and regularly update) their website. I was the chair of the organising committee of AFQUA 2015 (an international conference and workshop series focussed on the African Quaternary) and am still involved in the AFQUA initiative as a member of the Scientific Steering committee. I have recently been appointed as a member of the African Centre for Coastal Palaeoscience Management Board.

As a result of these roles, I believe I have the experience and expertise to take on this position and welcome the challenge of being involved in an international body such as INQUA.

## **NOMINEES FOR TREASURER (1 of 1)**

*(Nominated by the Netherlands and the USA)*

### **Dr Freek Busschers (Netherlands)**

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#### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

2008 - pres.	Geologist and scientific project leader at TNO - Geological Survey of the Netherlands 2002 - 2008 PhD in Quaternary Geology, Vrije Universiteit Amsterdam, the Netherlands
1994 - 2001	MSc in Physical Geography, Utrecht University, the Netherlands

#### **INQUA POSITIONS HELD: (maximum of 10 lines)**

2017 - pres.	Treasurer of INQUA
2015 - 2017	Secretary of INQUA SACCOM

#### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

Geologist and sedimentologist with a focus on landscape evolution and sediment record of the North Sea area during the late Neogene, Quaternary and Holocene. Key focus is the responses of the North Sea paleo fluvial-coastal systems to changes in climate, sea-level, ice-sheet dynamics and glacio-isostasy. Central in his research is multidisciplinary subsurface study using sedimentary and provenance (core) analysis, 2-D and 3-D modelling, absolute dating techniques and biostratigraphy. Studied material is obtained from TNO-GDN database sources as well as new (marine) drilling campaigns. He has a long-track record of North Sea Basin research and proposal contributions. He coordinates TNO-GDN's key research project(s) and the cooperation with other research institutes in the Netherlands and abroad.
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#### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

Freek Busschers stepped in as Treasurer of INQUA following the resignation of the previous Treasurer. Freek has since initiated a more streamlined way of working including use of accounting software. In the coming inter-congress period, Freek wants to continue optimizing the financial workflow of INQUA and maintain a healthy financial situation. Freek also wants to continue implementing innovation in the Executive Committee. Times have changed, and will continue to do so in an accelerated way. His view is that INQUA has to respond to these changes much more actively and that, therefore, renewal is needed 1) in the way the EC functions and communicates (both internally as well as with the Quaternary community) and 2) as a derivative from this, in the way budgets are distributed. For example, Freek would like to see a much better (financial) balance between inter-congress period activities and the main INQUA congress that is held each four years, which, in his view, would lead to much better exposure and hence contact with the Quaternary community.
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## **NOMINEES FOR VICE-PRESIDENT – COMMISSIONS (1 of 1)**

*(Nominated by the UK and South Africa, sanctioned by France)*

Dr Brian M. Chase (France)

### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

June 2012: Habilitation à Diriger des Recherches en Sciences (HDR), Institut des Sciences de l'Évolution-Montpellier, Université de Montpellier, France  
May 2006: DPhil in Physical Geography/Earth System Science, School of Geography and the Environment, The University of Oxford, UK  
Sept. 2002: MSc in Environmental Archaeology and Palaeoeconomy, Department of Archaeology, The University of Sheffield, UK  
Aug. 1997: BA in Geography, Portland State University, USA

### **INQUA POSITIONS HELD: (maximum of 10 lines)**

2015 – present: Secretary General of INQUA  
2015 – present: Co-leader of INQUA International Focus Group, Southern Hemisphere Assessment of PalaeoEnvironments (SHAPE).  
2011 – present: INQUA Humans and Biosphere Commission (HABCOM) Member  
2006 – present: INQUA Paleoclimate Commission (PALCOM) Member  
2015 Vice-President of HABCOM  
2014 – 2015: Advisory board member of HABCOM  
2013 – 2015: Co-leader of INQUA Project, Southern Hemisphere Assessment of PalaeoEnvironments (SHAPE).  
2011 – 2015: Co-leader of INQUA Project, Context and controls on modern human behaviour in southern Africa.  
2010 – 2015: Member of the South African National Committee for INQUA

### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

Dr Chase's focuses primarily on the development and evaluation of new palaeoenvironmental proxy data sources, and the reconstruction of palaeoenvironments in southern Africa drylands and subtropics. This includes:

1. The development of fossilised rock hyrax middens as a palaeoenvironmental archive.
2. Studies of sediment cores from coastal wetlands in South Africa.
3. Stable isotope and pollen analysis of midden and wetland material.
4. The development of *pdf*-based botanical-climatological transfer functions to derive quantitative estimates of palaeoclimatic parameters from palaeobotanical datasets.
5. Statistical analysis of records to define regional patterns.
6. Data-model comparisons to ascertain the drivers and dynamics of past climate change.
7. The assessment of the impact of past climate change on the development of early modern humans

### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

During the past inter-Congress period, as Secretary-General of INQUA, Dr Chase initiated and developed the restructuring of INQUA Commissions with the goal of improving: 1) their engagement and accessibility regarding their communities of Corresponding Members, 2) their integration in the larger context of INQUA structure, and 3) their visibility and impact within and beyond the Quaternary science community. Moving from what have in some cases become passive, isolated entities, serving only small groups of scientists, Dr Chase's goal is for each Commission to be a community focal point for the disciplines they represent; with clear, transparent structures, active officers, and no barriers for any interested individual to participate as a Corresponding Member. Being central to the current restructuring of both the Commissions and the Executive Committee, Dr Chase is ideally placed to carry out the responsibilities of the VP-Commissions role and ensure optimised functioning, communication and integration from the Executive Committee, through the Commissions and to the Corresponding Members.

## **NOMINEE FOR VICE-PRESIDENT – COMMUNICATIONS (1 of 1)**

*(Nominated by Italy and Switzerland)*

Professor Laura Sadori (Italy)

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### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

Laura works at Dipartimento di Biologia Ambientale, Università “La Sapienza”, Roma, and has a permanent position as Professore Ordinario in Systematic Botany (BIO/02). She has also an Italian qualification (ASN) as full professor in Structural Geology, Stratigraphic Geology, Sedimentology and Paleontology. Laura Sadori graduated in Natural Sciences at University of Rome “La Sapienza”, she has a master in Botany (Universitat Autònoma de Barcelona, Spain) and is European Doctor in Biology (PhD in Botany, Universitat Autònoma de Barcelona, Spain).

Scientific production and bibliometric indicators:

ISI Web of Science: 83 articles, H index 34, citations 3203. Scopus: 124 articles, H index 36, citations 3812.

Google Scholar: H index 40, citations 5470.

### **INQUA POSITIONS HELD: (maximum of 10 lines)**

Laura Sadori is a member of PALCOM and HABCOM and was involved in several INQUA Projects since her first participation; she took part in several INQUA Congresses since the '80s and was in Ottawa, Berlin, Durban, Reno, Cairns, Bern and Nagoya.

She was guest editor of Quaternary International Special Issues (225, 303).

### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

- Palaeoenvironmental and palaeoclimatic reconstructions through pollen analysis
- Archaeobotany
- Holocene climatic change vs. human impact
- Plant macrofossil study through isotope and aDNA analyses
- Italian Councillor at the International Federation of Palynological Societies (IFPS) in the period 2000 – 2008 and 2016-present.
- Vice-President of the International Federation of Palynological Societies (IFPS) since 2017.
- Member of the Advisory Board of European Pollen Database (EPD) in the years 2004-2008.

### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

Laura Sadori is skilled in communication and believes in the potential of social media. She supported the use of social networks (such as Twitter and Facebook) not only for the promotion and diffusion of the conferences and meetings she organized, but also for creating a platform in which the scientific debate, stated from the topics presented by participants, could rise and reach the wide scientific community. In the Sapienza University she has also urged her colleagues to adopt new communication systems with students. Her efforts lead to the creation of dedicated Instagram and Facebook accounts for several university courses. She involved young teachers, students and postdocs in the management of those accounts in order to better approach incoming students. The use of social media resulted to be crucial also in focusing the students' needs and to connect them to job recruiters.



## **DETAILS OF NOMINEE FOR VICE-PRESIDENT – MEMBERS**

*(Nominated by China and the Japan)*

### Professor Zhengtang Guo (China)

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#### **ACADEMIC BACKGROUND: (maximum of 10 lines)**

Guo obtained his Ph. D. in 1990 from University of Paris VI (France). He is now a Professor of Quaternary Geology at Institute of Geology and Geophysics, Chinese Academy of Sciences (CAS), Director of the CAS Key Laboratory of Cenozoic Geology and Environment, Provost and Vice-President of University of CAS (duty to 2019.04), Director of Earth Science Department, National Natural Science Foundation of China (NSFC, part-time scientific advisory duty, 2019-), President of Chinese National Committee of INQUA (CHIQUA) (2016-), Co-Editor-in-Chief of Global and Planetary Change, Editor of Climate of the Past, Deputy Editor-in-Chief of Science China: Earth Sciences. He was the Director-General of Institute of Earth Environment, CAS (2002–2006) and also served as a member of PAGES Scientific Steering Committee (1996–2001), Co-Leader of PAGES’s Pole-Equator-Pole Australasian Project (PEP-II, 1999–2002). Guo was elected academician of CAS in 2013, and fellow of the World Academy of Sciences (TWAS) in 2017.

#### **INQUA POSITIONS HELD: (maximum of 10 lines)**

- (1) Vice-President of INQUA Commission on Paleoclimate (1995–2003)
- (2) Member of INQUA Commission on Carbon Cycle (1999–2003)
- (3) Vice-President of INQUA (2015-2019)

#### **SCIENTIFIC EXPERTISE: (maximum of 10 lines)**

Guo’s research interests cover the Quaternary Geology, Paleoclimatology, Paleopedology, and human impacts on climate changes. He was the chief-scientist of several national research projects in China and is currently the chief-scientist of two national projects “Orbital-scale variability of Asian monsoon and the forcing Mechanism (2018–2022)” and “Continental evolution and the global monsoon-dryland system (2019-2029)”. He has particular expertise in exploring the climate information from the near-continuous Neogene–Quaternary loess deposits in China across a wide range of time scales, with the emphasis on the Asian monsoon/desertification histories, interglacial climates and their relationships with regional and global tectonic-climate changes. He and his colleagues extended the world-unique loess-soil record in China from 8 Ma to 22 Ma. Guo has more than 250 publications in peer-reviewed journals and books (including 5 papers in Nature, Science and PNAS).

#### **WHY IS THE NOMINEE PARTICULARLY SUITED TO THIS POSITION? (maximum of 10 lines)**

Guo is suited to the Vice President position for (1) his interdisciplinary expertise and fruitful scientific achievements in the Quaternary science and his leadership in the Quaternary community in China/Asia, (2) his rich experiences and excellent ability in promoting international scientific exchanges and collaborations gained through his past services in INQUA and PAGES, (3) his particular experience in liaising with INQUA members and in investigating the fee-banding issues of INQUA and other relevant international organizations during his 2015-2019 INQUA Vice-President term. These experiences, in addition to his occupations in the Chinese research bodies, in the national funding agency (NSFC) and in international scientific journals, are favourable for enabling INQUA members to warrant support from their national funding bodies, and for the link between the INQUA Executive Committee and members to foster and ensure open communication.

## Roles of Executive Committee and Commission Officers of the International Union for Quaternary Science

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(As revised January 2015, Sandy P. Harrison; October 2018, Brian M. Chase)

### **The INQUA Executive Committee**

The INQUA Executive Committee consists of the President, Secretary, Treasurer, four Vice-Presidents and the Immediate Past President, and is the decision-making body for the day-to-day running of INQUA. The President has ultimate responsibility for the running of INQUA but designates specific roles to the Secretary General and Treasurer and can ask the Vice-Presidents and Past President to take on specific responsibilities within the Executive. The Executive Committee operates as a collective, with decisions taken through discussion and majority opinion, indicated if necessary by vote. The President does not hold the power of veto, but if there is an equality of votes, the President shall have a deciding vote.

All of the members of the INQUA Executive Committee (with the exception of the Past President) are elected by the International Council at the INQUA Congress. Nominations for these posts are circulated to the INQUA National and Regional Members prior to the Congress. The members of the Executive Committee are elected by the International Council during its Business Meetings at the Congress.

The INQUA Executive Committee meets annually to discharge its duties during the inter-congress period. The Presidents of the Commissions (or a nominated delegate) and the Chair of the Early Career Researchers Committee are also invited to these meetings. Other people (e.g. Chief Editor of Quaternary International) may be invited to attend Executive Committee meetings at the discretion of the INQUA President, although they have no voting rights.

The INQUA Executive Committee contributes to the organization of the INQUA Congress through providing the Chair of the Scientific Steering Committee (normally the Past President) and each of the Commission Presidents is a de facto member of the SSC.

### ***INQUA President***

#### *Responsibilities:*

- 1) Chairs the INQUA Executive Committee meetings;
- 2) Chairs the INQUA International Council meeting at the Congress;
- 3) Represents INQUA at international science meetings, including meetings of science organisations such as the International Science Council (ISC);
- 4) Is responsible for development of the INQUA's mandate and policies, in consultation with the INQUA Executive Committee, INQUA Members and INQUA Commission Presidents;
- 5) Has responsibility for the legal framework for the Association, particularly in terms of ensuring that decisions and action are consistent with the statutes and bylaws;
- 6) Is responsible for the financial health of INQUA and the use of INQUA funds, in consultation with the INQUA Executive;
- 7) Has responsibility for decisions about awards and medals, in consultation with the INQUA Executive Committee;
- 8) Provides an annual report of INQUA activities, which is discussed with the Executive Committee prior to being disseminated to the INQUA Members (and more widely);
- 9) Chairs annual video conference meetings with the INQUA Members;

- 10) Liaises with and reports to the International Science Council (ISC) and the Geounions;
- 11) Liaises with (and promotes) national and regional bodies, science bodies and Quaternary Associations.

### ***INQUA Secretary General***

#### *Responsibilities:*

- 1) Is responsible for the formal communication between the INQUA Executive Committee and all outside bodies; this includes answering queries or referring them to the appropriate person or organization within INQUA to deal with the queries;
- 2) Is responsible for the maintenance of the INQUA archives, both physical and electronic;
- 3) Receives and disseminates applications to the INQUA Executive, including for medals and awards, and proposals and reports from IFGs and projects;
- 4) Prepares the agenda and material for the INQUA Executive Committee meetings;
- 5) Provides the minutes for INQUA Executive Committee meetings;
- 6) Provides an annual report of activities for the INQUA Executive;
- 7) Is a counter-signatory on financial transactions, on behalf of the INQUA Executive.

### ***INQUA Treasurer***

#### *Responsibilities:*

- 1) Is a counter-signatory on financial transactions, on behalf of the INQUA Executive;
- 2) Provides advice to the INQUA Executive Committee on financial aspects of decisions and policies;
- 3) Has oversight of the INQUA finances, including providing annual summaries of the finances for the Executive Committee and organizing external audits and reports;
- 4) Is responsible for obtaining dues from INQUA Members, including contacting the Members when necessary;
- 5) Is responsible for disbursing INQUA monies for all activities;
- 6) Is responsible for disbursing INQUA monies to IFGs and projects, including liaising directly with these organisations about accounting issues and receipts.

### ***Vice-Presidents***

#### *Overall Responsibilities:*

- 1) Provide advice to the INQUA President for the development of INQUA's mandates and policies;
- 2) Undertake other specified activities to assist the President in the day-to-day running of INQUA as required (e.g. oversight of statutes and byelaws, representation of INQUA at meetings);

#### *Specific Responsibilities:*

#### ***Vice-President in charge of Members Liaison and Honours***

1. Manages issues and communication related to INQUA's National Members. Including but not restricted to:
  - i) Membership and fees;
  - ii) Enabling Members to warrant support from their national funding bodies;
  - iii) Providing a link between the Executive Committee and Members to foster and ensure open communication;
  - iv) Providing regular briefings about INQUA activities to INQUA Members.
2. Manages the process of nomination and competition for INQUA awards and honours.

#### ***Vice-President in charge of Commission Oversight***

1. Communicates with and oversees INQUA's Commissions, including:
  - i) Convening and chairing regular bi-annual virtual meetings with Commission Officers to receive reports on the progress of Commission activities and development and discuss issues and strategies;
  - ii) Providing a link between the Commissions and the Executive Committee to foster and ensure open communication;

- iii) Overseeing the process of Commission elections, including ensuring that nominations for Commission posts are forthcoming and duly announced prior to the Congress.

#### ***Vice-President in charge of Publications***

1. Oversees and develops INQUA's periodical publications, including:
  - i) Liaising with Elsevier regarding *Quaternary International*
  - ii) Acting as Executive Editor of *Quaternary Perspectives*, in concert with the ECR Committee;
  - iii) Developing strategy regarding any further publications.

#### ***Vice-President in charge of Communication***

1. Develops and manages tools and vectors for the communication of information regarding INQUA and its activities, including but not limited to:
  - i) The INQUA website,
  - ii) Social media outlets (Facebook, Twitter, etc.), in concert with the ECR Representative and Committee
  - iii) The development of strategies and products that can be used by INQUA and its Officers and Members to promote INQUA and its activities.

#### ***Past President***

##### *Responsibilities:*

- 1) Provides continuity for the INQUA Executive, in terms of providing a long-term memory of motivations for decisions and actions;
- 2) Has oversight of the legal framework for the Association, particularly in terms of ensuring that decisions and action are consistent with the statutes and bylaws;
- 3) Assists the President in liaising and communicating with ISC, national and regional bodies, science bodies and Quaternary Associations.
- 4) Charged with oversight of the ECR Committee.

#### **The Commissions.**

Commissions are established to serve two primary purposes: 1) the representation of communities of scientists across broad areas and disciplines of Quaternary science, and 2) to identify areas of science within those disciplines that would benefit from international collaboration and to promote the creation of collaborative structures to further this research. To this end, the Commission develops or promotes International Focus Groups (IFGs)<sup>1</sup>, Projects<sup>2</sup> and Working Groups<sup>3</sup> that support its stated mandate and sponsors the consideration of these by the INQUA Executive Committee. The Commissions also provide advice to the INQUA Executive Committee and support for Executive Committee decisions. However, the INQUA Executive Committee is the final decision-making body and the Commissions are only represented there in an advisory capacity. The Commissions also provide a route for disseminating information from the INQUA Executive Committee to individual scientists worldwide. The Commission Officers must work as a team to ensure that key tasks are carried out effectively, though individuals may be responsible for different roles (as indicated below).

#### ***Commission President***

##### *Responsibilities:*

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<sup>1</sup> A subdivision of a Commission created to address specific broad-scale scientific issues during an inter-Congress period.

<sup>2</sup> A specific scientific activity with well-defined goals and planned outcomes, often, but not exclusively, relating to a specific aspect of the interests of an International Focus group.

<sup>3</sup> Working Groups receive non-financial support from INQUA, and are often either: 1) groups who are seeking to develop networks that will evolve into funded INQUA IFGs or Projects, 2) past INQUA IFGs and Projects that have finished their funding cycles but wish to ensure the active participation of INQUA in the support of their communities and the dissemination of information about activities and their outcomes, 3) groups seeking recognition from INQUA to support external funding proposals.

- 1) Develops the Commission mandate and policies, in consultation with the Executive Committee and the Commission Advisory Board;
- 2) Encourages the development of IFGs, Projects and Working Groups which serve the Commission's mandate, including soliciting individuals or groups to propose IFGs, Projects and Working Groups and working with these people to promote a well-thought out proposal and implementation;
- 3) Liaises with existing IFGs, Projects and Working Groups to ensure that they are fulfilling the Commission's mandate and policies, including encouraging IFGs and Projects to be inclusive, to communicate their results via INQUA (and Commission) organs of information, and to ensure that INQUA is fully acknowledged in their work;
- 4) Provides feedback on proposals for INQUA funding, either personally or through involvement of the Commission Executive Committee and the Full Members;
- 5) Liaises with other Commissions to promote interdisciplinary activities and minimize the chances that important areas of science are neglected;
- 6) Represents the Commission at the annual meetings of the Executive Committee, including providing summaries and reviews of Commission-sponsored applications for funding and/or recognition;
- 7) Provides an annual report to the Executive Committee on Commission activities;
- 8) Provides feedback to the Executive Committee, Advisory Board and Corresponding Members about decisions of the INQUA Executive, including changes in the working of INQUA;
- 9) Provides a report to the INQUA Members at the Congress on Commission Activities;
- 10) Liaises with external bodies to ensure full exploitation of synergies between the Commission and activities promoted by these external bodies
- 11) Chair the Business meeting of the Commission at the INQUA Congress.
- 12) Is de facto a member of the Scientific Steering Committee for the INQUA Congress.
- 13) Represents the Commission at the meeting of the INQUA Members at Congress;

#### ***Commission Vice-President***

##### *Responsibilities:*

- 1) Works with the Commission President on the development of the Commission mandate and policies;
- 2) Works with the Commission President on the development of IFGs and projects which serve the Commission's mandate;
- 3) Assists with reviews of IFGs and projects, to ensure these fit within the mandate of the Commission;
- 4) Liaises with external bodies to ensure full exploitation of synergies between the Commission and activities promoted by these external bodies;
- 5) Represents the Commission at meetings of the Executive Committee if the Commission President is unable to attend.

#### ***Commission Secretary.***

##### *Responsibilities:*

- 1) Maintains the Commission website, including solicitation of material;
- 2) Produces the Commission Newsletter, including solicitation of material;
- 3) Communicates with Corresponding Members;
- 4) Communicates with INQUA Members about Commission activities.

#### ***Commission Advisory Board members***

##### *Responsibilities:*

- 1) Provides advice to Commission Executive, re. policies, mandate, projects and project applications;
- 2) Disseminates of information about the Commission and its activities to Quaternarists in their field or region;
- 3) Provides information about activities in their field or region to the Commission (e.g. for inclusion in Newsletters).

